

Leg and Desk Frame

Designers Guide



Mode-AL design and manufacture legs and desk frames for a significant quantity of the UK and Europe's console manufacturers. Unlike most commercially available legs ours are specifically designed for each application. Below are some of the main features of our leg and desk frames.

- Max load: up to 250kg (550 lbs) each leg.
- The height can be specified to the nearest mm (0.040")
- $\pm 5\text{mm}$ ($\pm 0.20''$) of height adjustment with the inbuilt levelling feet
- The legs have removable side covers allowing easy cabling
- Cable access / egress ports can be positioned to client requirements
- Interface plate with desk top as per clients requirements
- Angles of up to 15 degrees for the vertical member
- Single, single with stabiliser or twin vertical members
- Finish: natural anodised (silver)
- Other finish options to any RAL colour
- Castor options
- Motorised options that match the static legs
- Stabilising beams between legs option



Leg features and options

Top Plate

The interface with your desk top. Mode-AL manufacture 4 standard top plates that cover most manufacturing requirements for console furniture and one specialist desk frame top plate for standard office desks. Mode-AL are happy to design and hold in stock custom top plates to suit your existing designs or to accommodate additional features. Please contact Mode-AL for further details.

Cable Access / Egress

All Mode-AL legs have top and bottom cable openings as standard and as an option, cable egress ports can be cut into the side of the extruded upright on either the left or right hand side and at any height. These cut-outs come with a moulded insert to prevent the cables chafing on the aluminium extrusion.

Oval extrusion

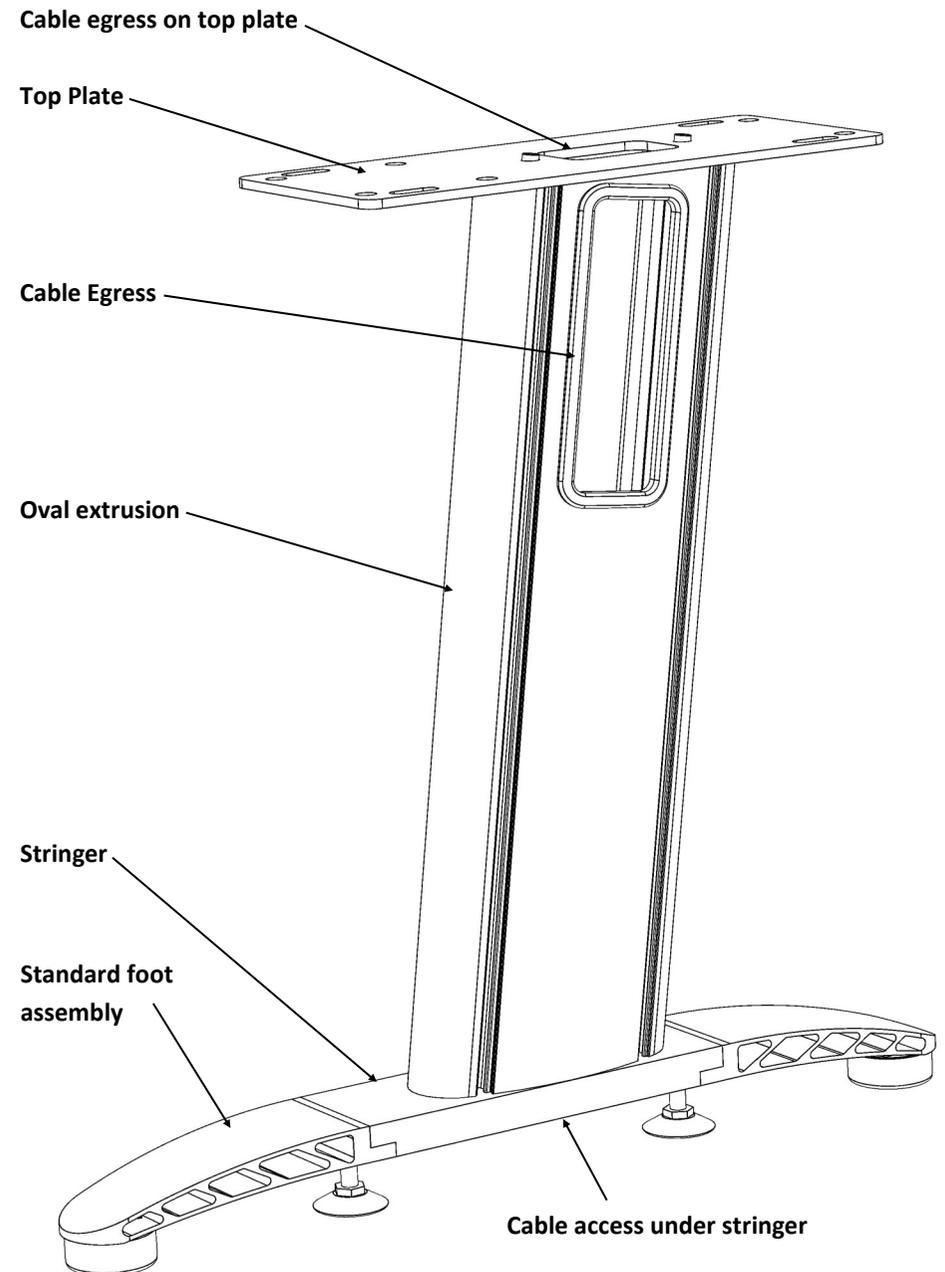
A 2 part structural extrusion allowing either the left or right hand side (as specified) to be removed, to allow easy cabling and then simply refitted to provide a clean look to the leg. You can specify the oval extrusion in 3 positions: vertical, 7.5° and 15° angle of tilt. For other angles please contact Mode-AL

Stringer

Mode-AL manufacture 4 standard stringers that cover most manufacturing requirements for console furniture. Mode-AL are happy to design and hold in stock custom stringers to suit your existing designs or to accommodate additional features. Please contact Mode-AL for further details.

Standard Foot and Levelling feet

With levelling feet and furniture glides giving ± 5 mm [0.02"] of height adjustment.



Standard Leg designs

When ordering standard legs you will receive a drawing for each leg you specify. You can review this drawing and once this meets your approval, please confirm this approval to Mode-AL so we can commence manufacture.

Part numbering system (using MA-S1-T2-345 as an example)

A typical leg part number is broken down into 4 sections. These are:

MA - stands for Mode-AL or the clients 2 letter abbreviation.

S1 - The **S** stands for Stringer & the number is for the type of stringer. If you require a custom stringer, this number will be unique to your product.

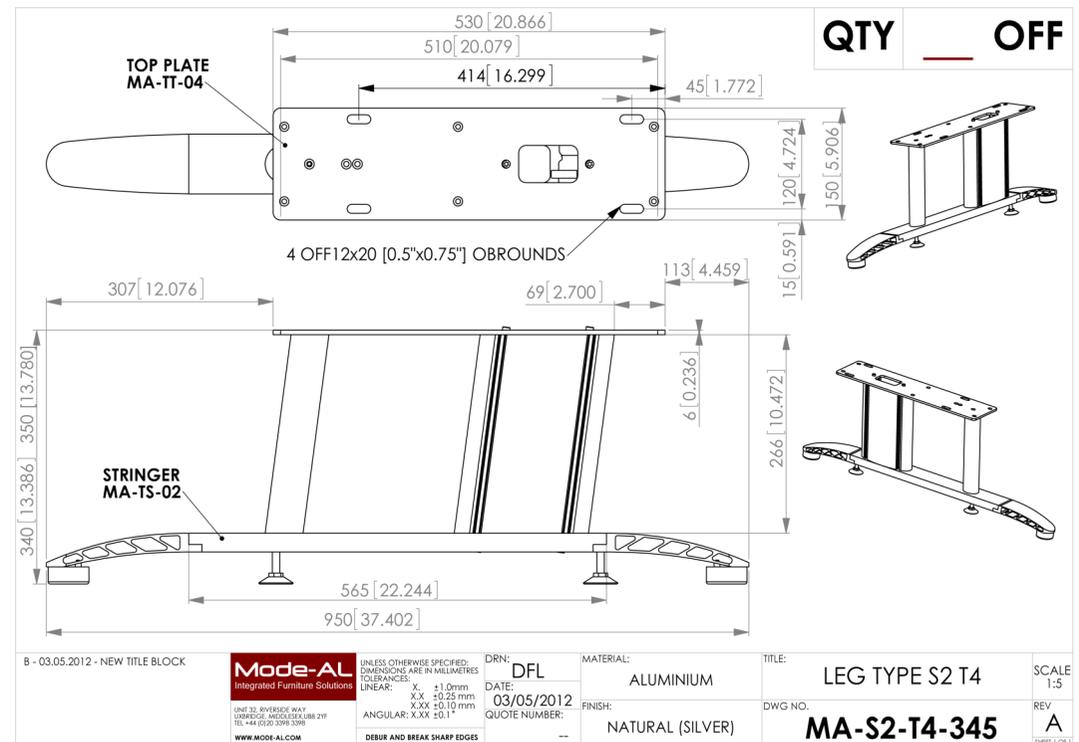
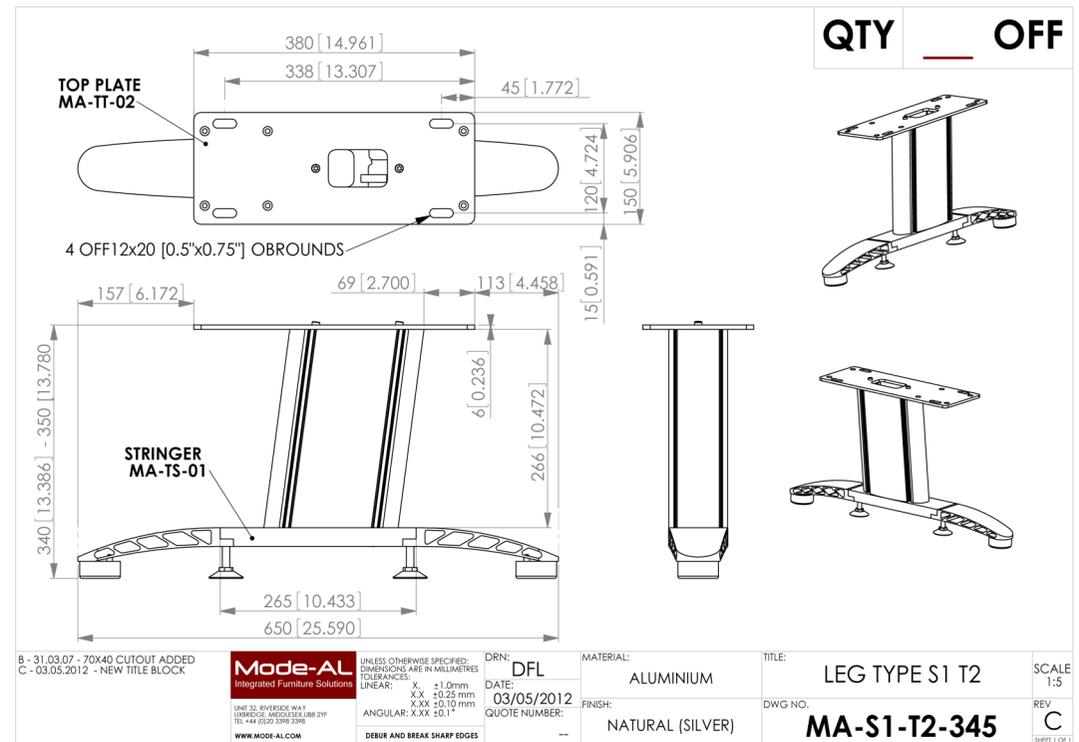
T2 - The **T** stands for top plate & the number is for the type of top plate. If you require a custom top plate, this number will be unique to your product.

345 - [or in the US 13.582"] is the overall height of the leg. This can either be specified in mm or inches. The leg will be manufactured to a height of 340 mm [13.386"] with the levelling feet and furniture glides in the lowest position. As both can be adjusted up by 10mm [0.40"], this gives the specified height of 345 mm [13.5822] ± 5mm [0.20"].

For cable egress ports on the side of the oval extrusion, the location and height above floor will be displayed.

For the removable side cover, unless otherwise specified, this will be on the right hand side of the leg looking from the front. If you require left side access or if you require pairs of left and right hand removable covers, these will be clearly identified on the drawings.

MA-S1 and S2 type legs are legs that are designed to be in full view from the front and the rear of the desks and are our most popular legs by far.



Standard Leg designs cont.

MA-S3-T2-xxx Leg is a simple derivative of the S1 leg with the rear foot removed. This is a small cost reduction but it is primarily to reduce the footprint of the foot and allow the leg to be further away from the operator.

MA-S4-T3-xxx Leg is a simple derivative of the S2 leg with the rear foot removed. This is a small cost reduction but it is primarily to reduce the footprint of the foot and allow the leg to be further away from the operator.

MA-T20-xxx is a single column leg used for the support of outcrops of desking that is not supported by any structure.

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NOTES	Mode-AL Integrated Furniture Solutions UNIT 32, RIVERSIDE WAY LOBBESGATE, AUCKLAND 1088 21F TEL: +64 (0)20 3996 3996 WWW.MODE-AL.COM	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETRES TOLERANCES: LINEAR: X ±1.0mm XX ±0.25mm XXX ±0.10mm ANGULAR: XXX ±0.1° DEBUR AND BREAK SHARP EDGES	DRN: PKG DATE: 13/02/2003 FINISH: BLACK OR SILVER	MATERIAL: ALUMINIUM FINISH: BLACK OR SILVER	TITLE: LEG TYPE S3 T2 DWG NO. MA-S3-T2-450	SCALE: 1:5 REV: A
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QTY	___	OFF
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Mode-AL Integrated Furniture Solutions UNIT 32, RIVERSIDE WAY LOBBESGATE, AUCKLAND 1088 21F TEL: +64 (0)20 3996 3996 WWW.MODE-AL.COM	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETRES TOLERANCES: LINEAR: X ±1.0mm XX ±0.25mm XXX ±0.10mm ANGULAR: XXX ±0.1° DEBUR AND BREAK SHARP EDGES	DRN: DFL DATE: 03/05/2011 QUOTE NUMBER:	MATERIAL: ALUMINIUM FINISH: NATURAL (SILVER)	TITLE: SUPPORT POST DWG NO. MA-T20-710	SCALE: 1:7 REV: A
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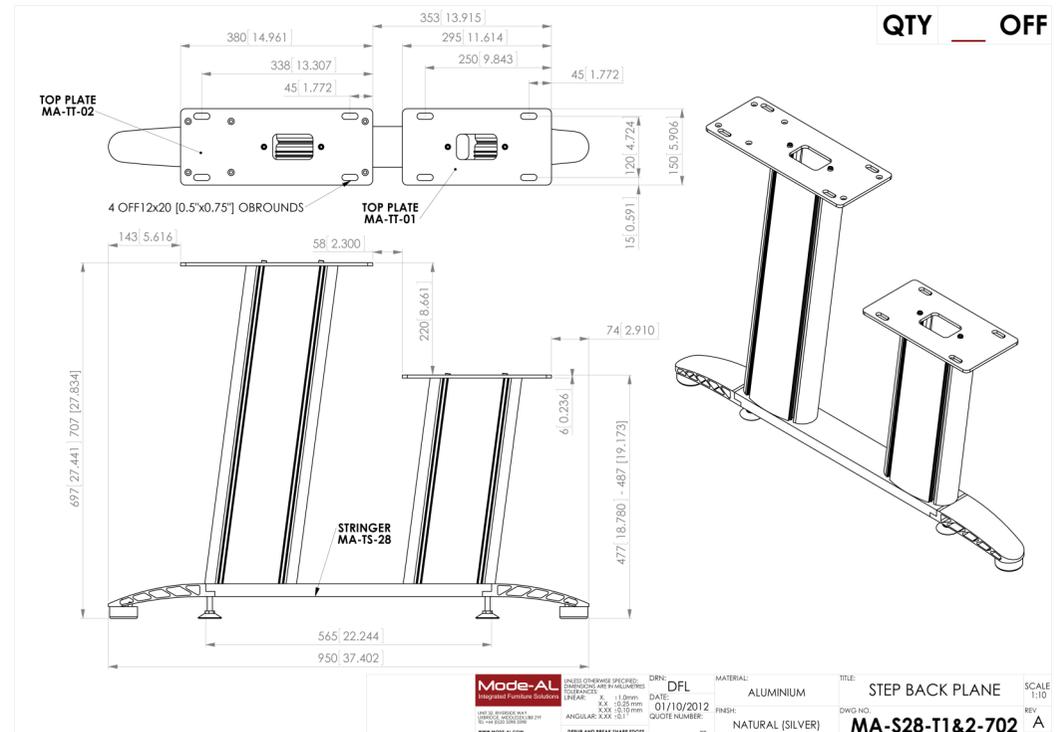
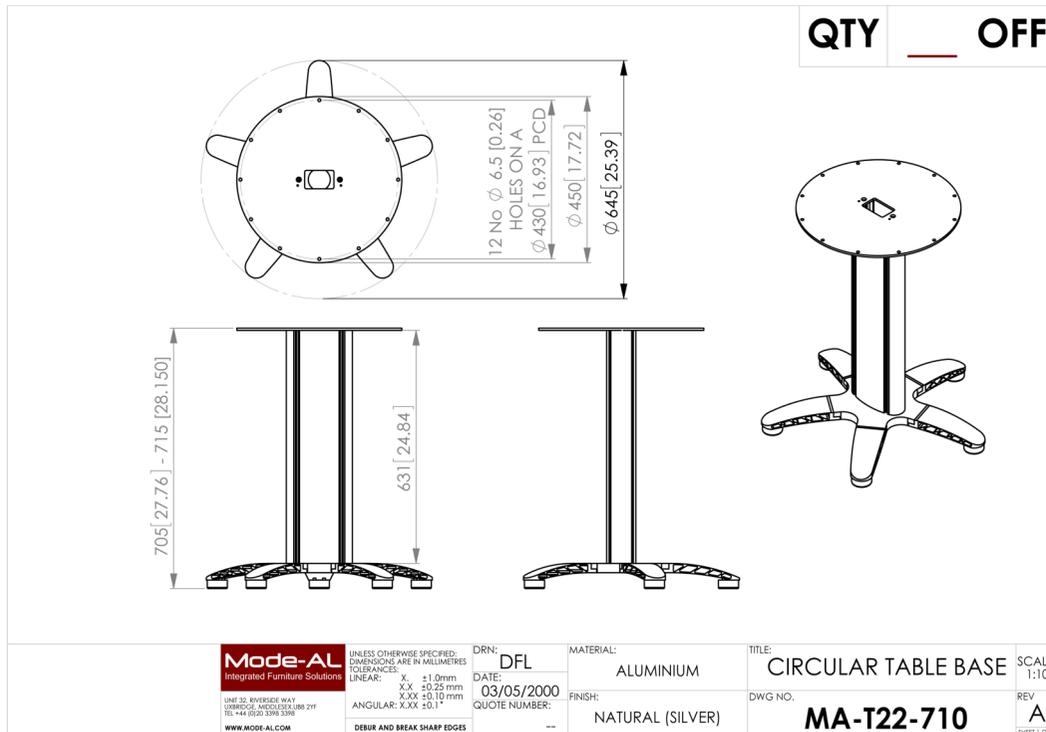
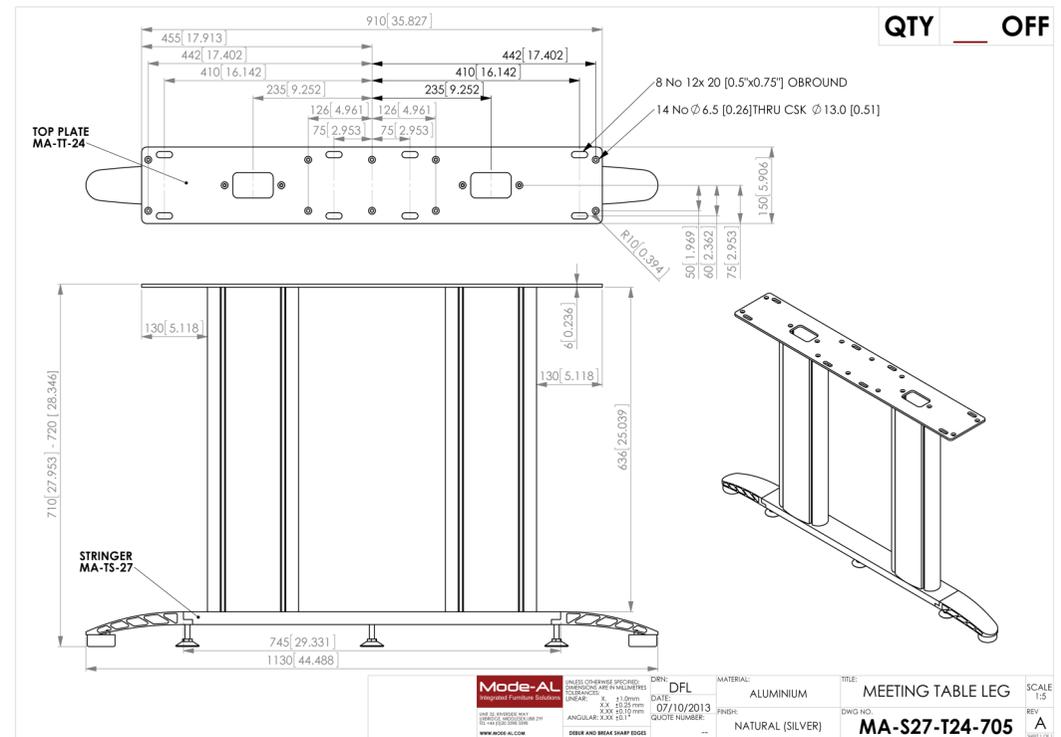
B - 03.05.2012 - NEW TITLE BLOCK Mode-AL Integrated Furniture Solutions UNIT 32, RIVERSIDE WAY LOBBESGATE, AUCKLAND 1088 21F TEL: +64 (0)20 3996 3996 WWW.MODE-AL.COM	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETRES TOLERANCES: LINEAR: X ±1.0mm XX ±0.25mm XXX ±0.10mm ANGULAR: XXX ±0.1° DEBUR AND BREAK SHARP EDGES	DRN: DFL DATE: 03/05/2012 QUOTE NUMBER:	MATERIAL: ALUMINIUM FINISH: NATURAL (SILVER)	TITLE: LEG TYPE S4 T3 DWG NO. MA-S4-T3-345	SCALE: 1:5 REV: B
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Standard Leg designs cont.

MA-S27-T24-705 is a large meeting room or rostrum desk leg. From medium sized meeting desks to boardroom sized, this highly versatile leg can provide a sturdy structure for the largest of desks.

MA-S28-T1&2-702 bi level desk leg. This leg is ideal for all the split level desks and it can be configured to have the rear lower than the front as shown or the rear higher than the front to make a monitor bridge.

MA-T22-710 is a free standing table leg. For small tables up to 1200 mm [4'] diameter, this versatile freestanding leg can be used for coffee tables to standing tables with its rigid 5 foot base providing a high level of stability.



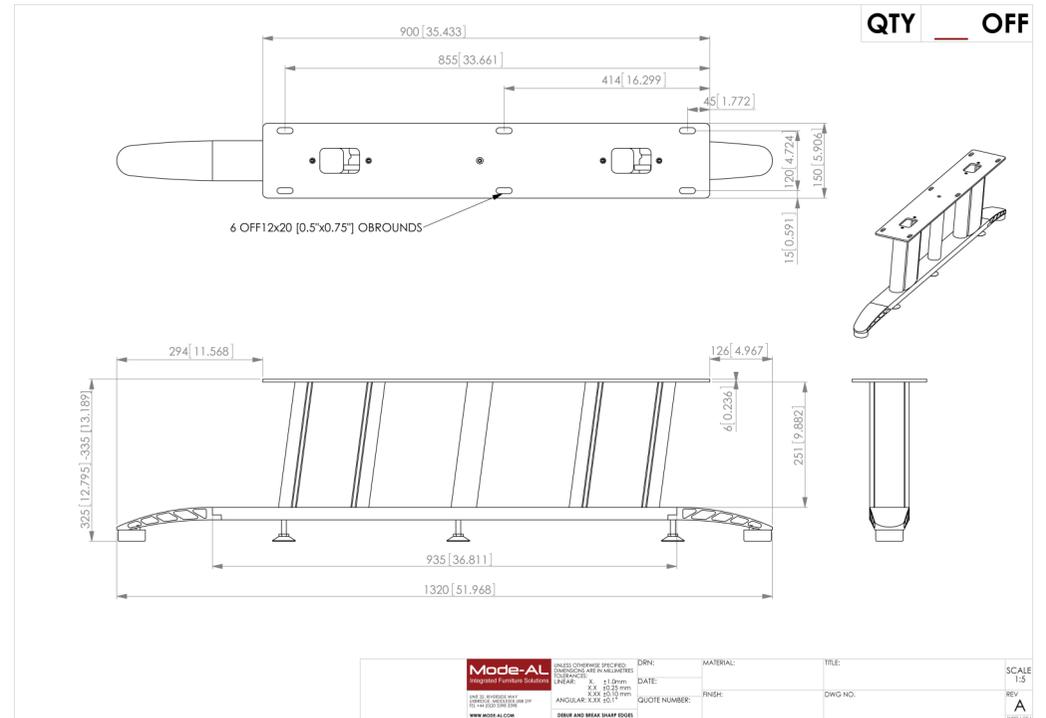
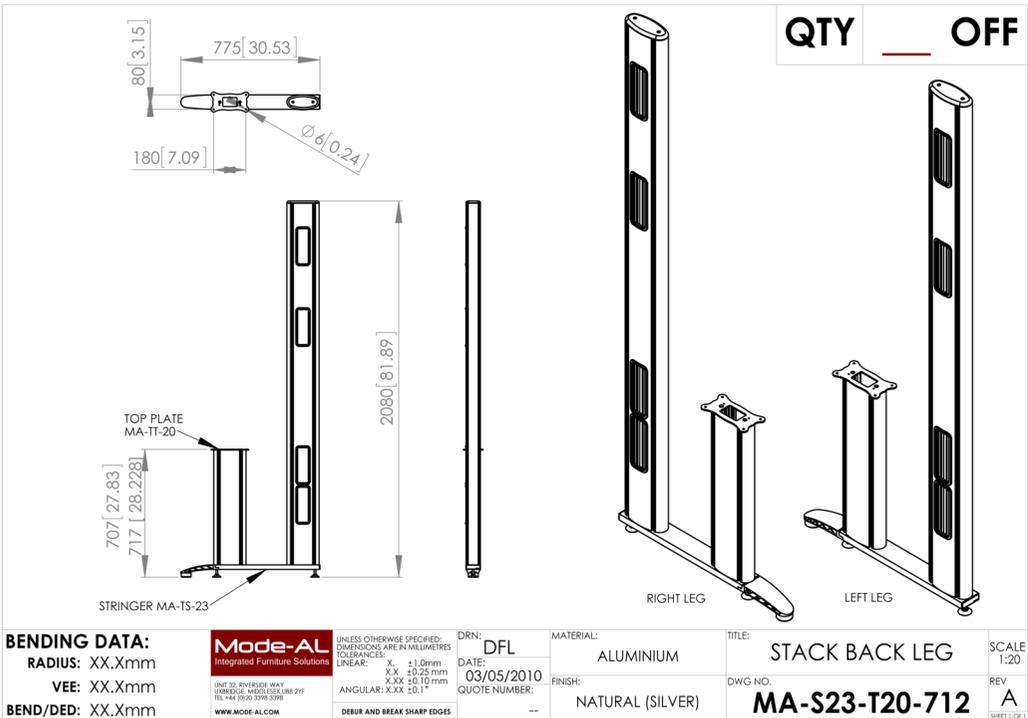
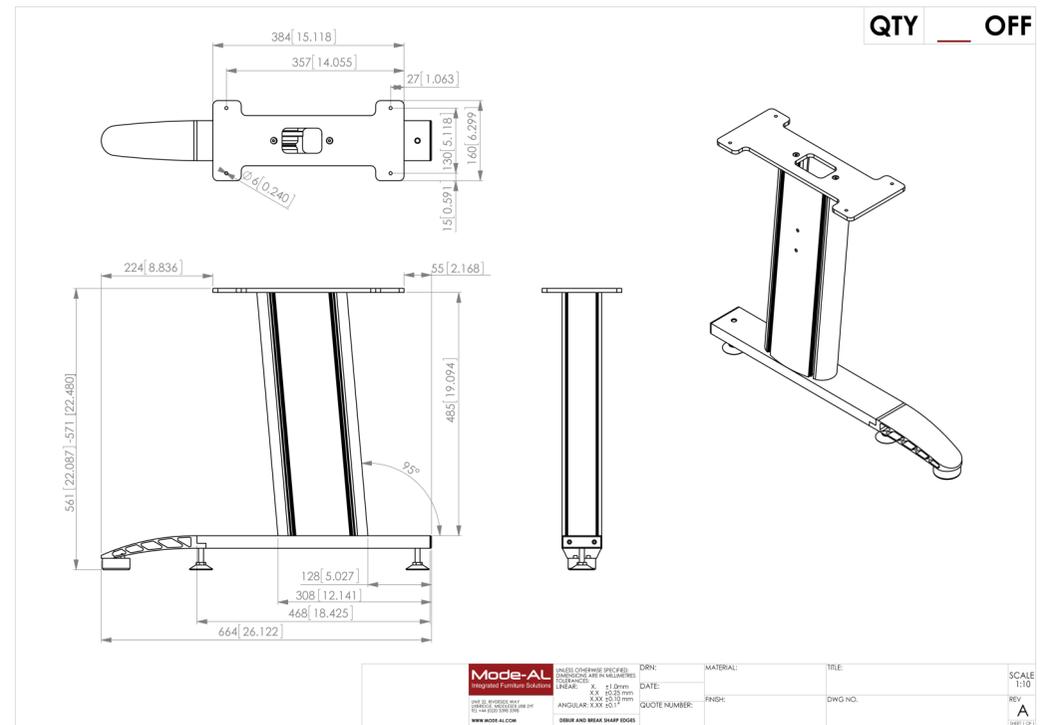
Custom Leg designs

Mode-AL can design and manufacture custom legs to suit your exact requirements. Our dual manufacturing facilities in the UK and USA allows us to design and manufacture legs within a 4 week lead time and deliver them world wide.

For improved lead times and once the design has been tested for form fit and function, Mode-AL offer a stock holding system where we can hold in stock the components to manufacture your specific legs. This reduces the lead time to 2 weeks.

Every part of our legs are customisable. Even if you require a custom extrusion to replace our oval extrusion, we would be happy to design and manufacture these legs for you on an exclusive basis assuming there is sufficient quantity.

Mode-AL are always happy to help with the design of your legs. If you have no cad facility or you wish us to copy an existing leg, we are always happy to oblige.



Standard Desk Frames

When ordering standard desk frames, you will receive a drawing for each leg you specify. You can review this drawing and if correct as required, once this meets your approval please confirm this to Mode-AL so we can commence manufacture.

Part numbering system (using MD-S1-T2-7080-1600 as an example)

A typical leg part number is broken down into 4 sections these are:

MD - stands for Mode-AL Desk or the clients 2 letter abbreviation.

S1 - The S stands for Stringer, the number is for the type of stringer. If you require a custom stringer this number will be unique to your product.

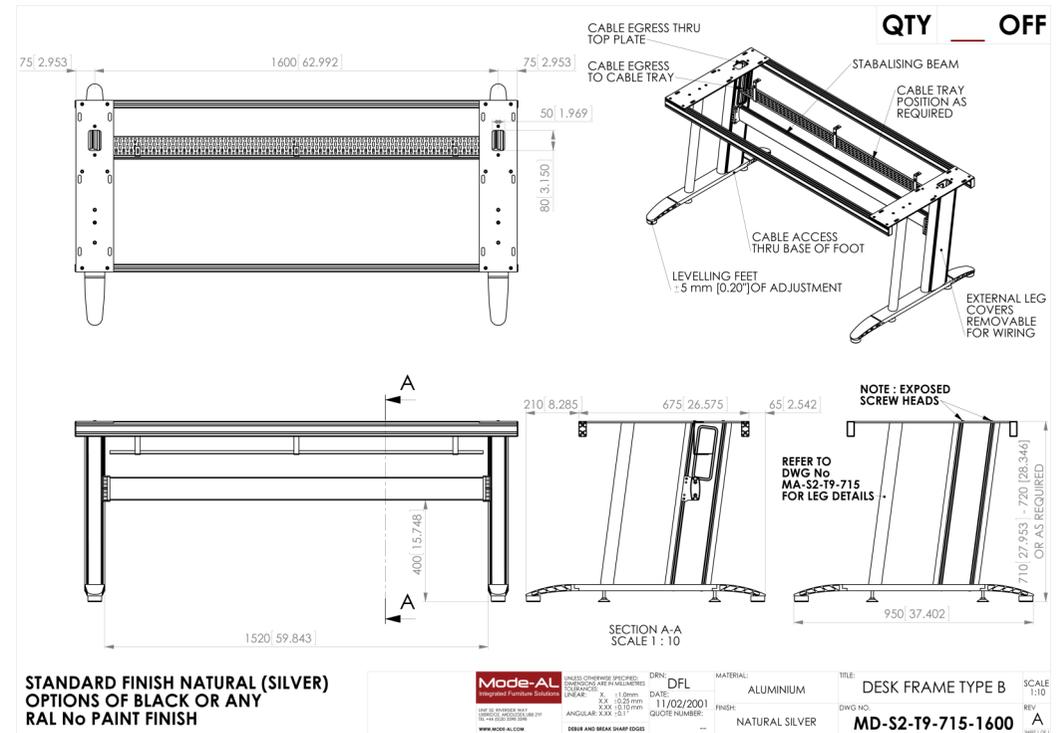
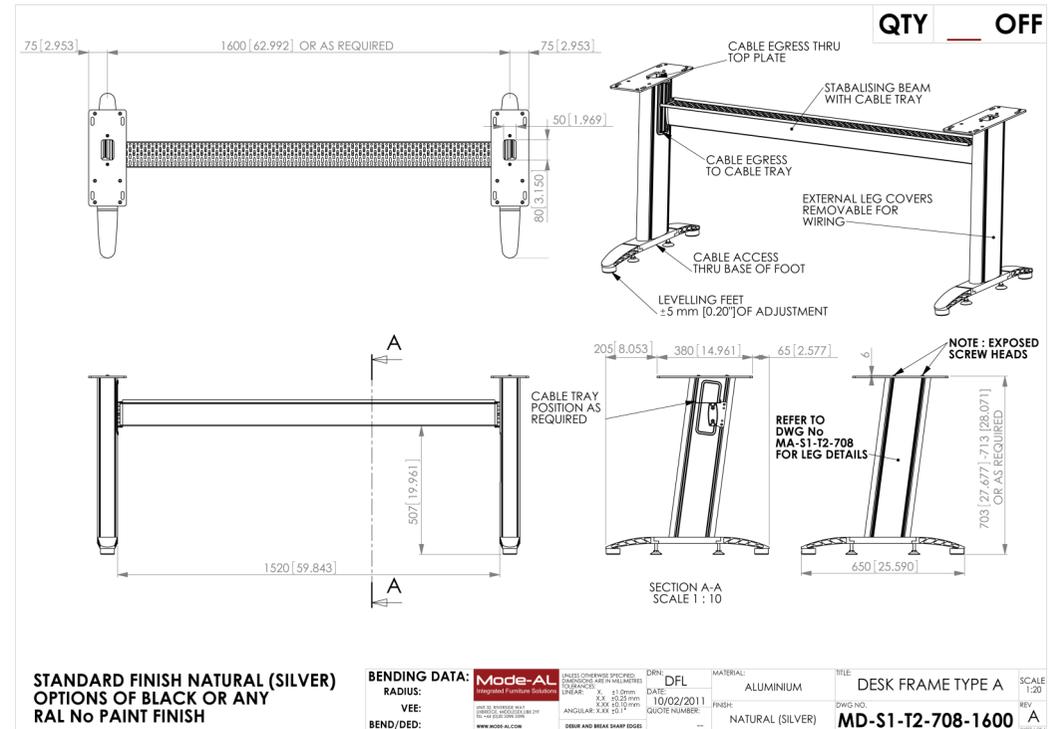
T2 - The T stands for top plate, the number is for the type of top plate. If you require a custom top plate this number will be unique to your product.

345 - or in the US [13.582"] is the overall height of the leg. This can either be specified in mm or inches. The leg will be manufactured to a height of 340 mm [13.386"] with the levelling feet and furniture glides in the lowest position as both can be adjusted up by 10mm [0.40"]. This gives the specified height of 345 mm [13.5822] ± 5mm [0.20"].

1600 - or in the US [62.992"] is the width of the desk between the centre line of each leg. The desk's over all width is 150mm [5.9"] wider than this dimension but if you are joining multiple desk frames together this dimension remains consistent.

For cable egress ports on the side of the oval extrusion, the location and height above the floor will be displayed.

For the removable side cover unless otherwise specified, this will be on the right hand side of the leg looking from the front. If you require left side access or if you require pairs of left and right hand removable covers, these will be clearly identified on the drawings.

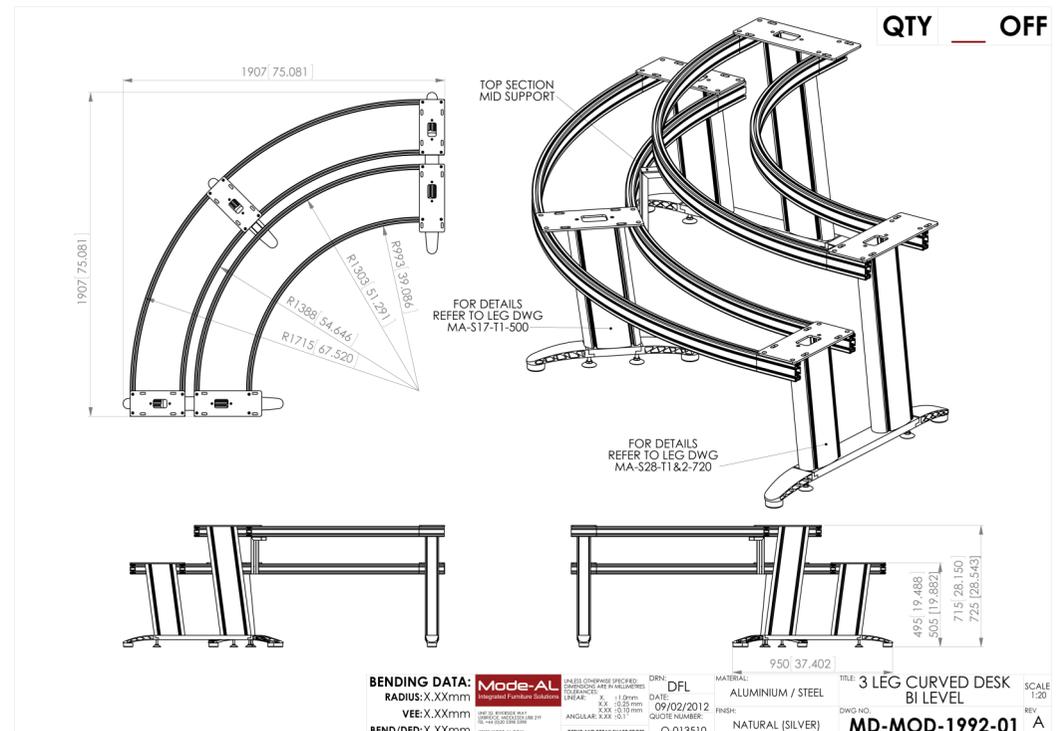
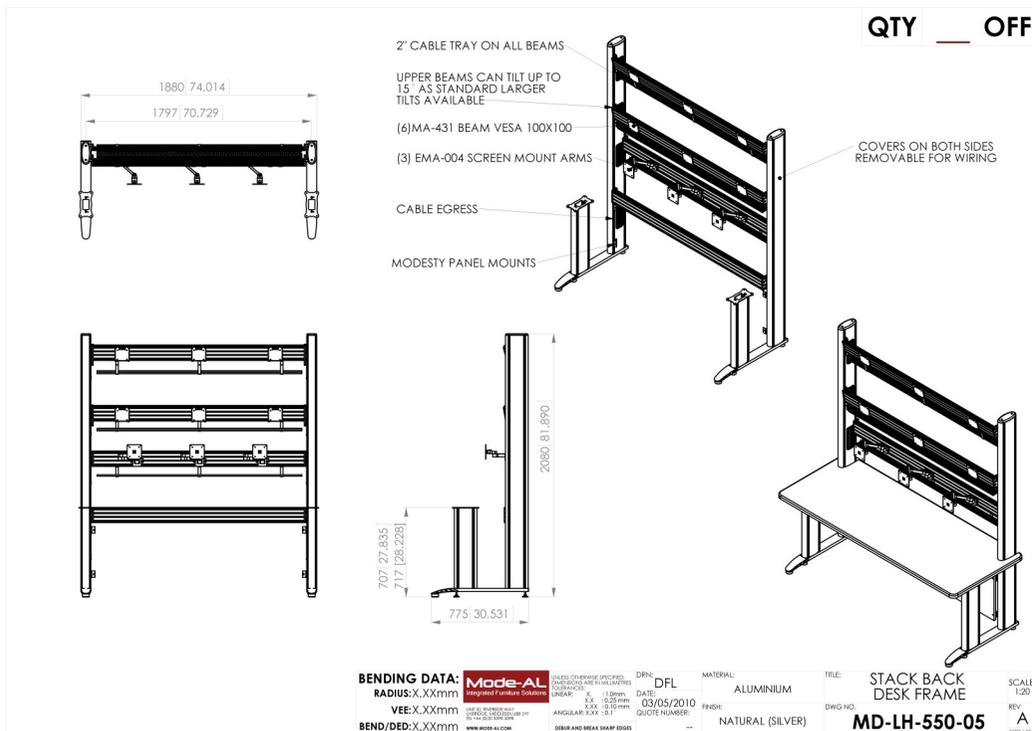
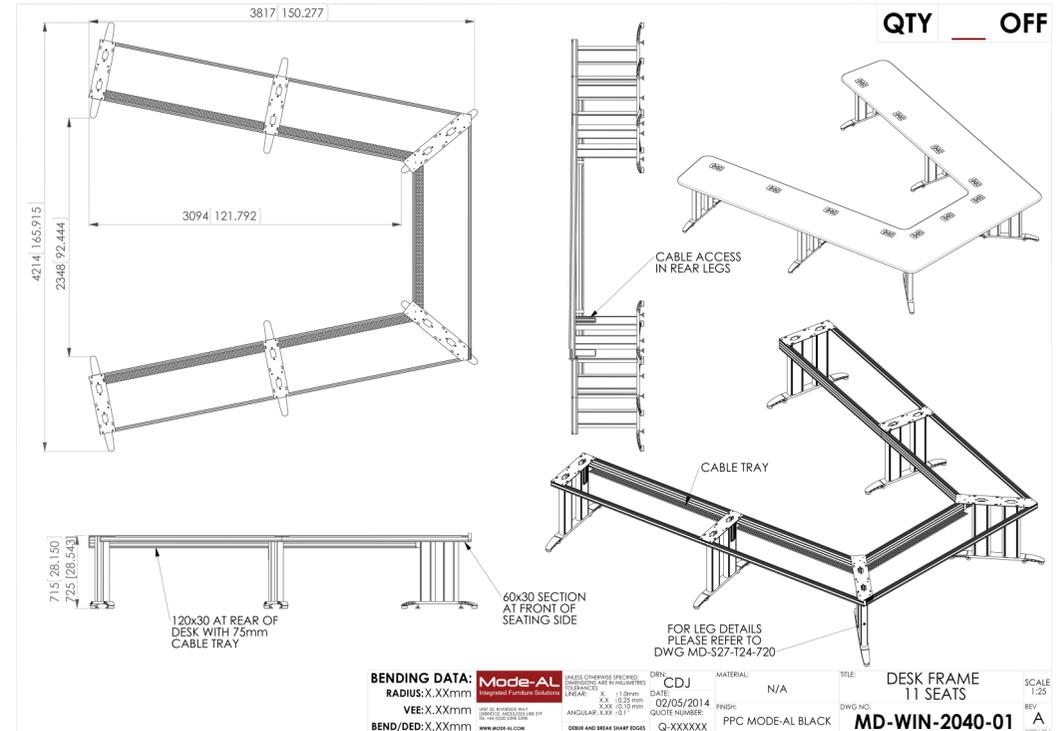


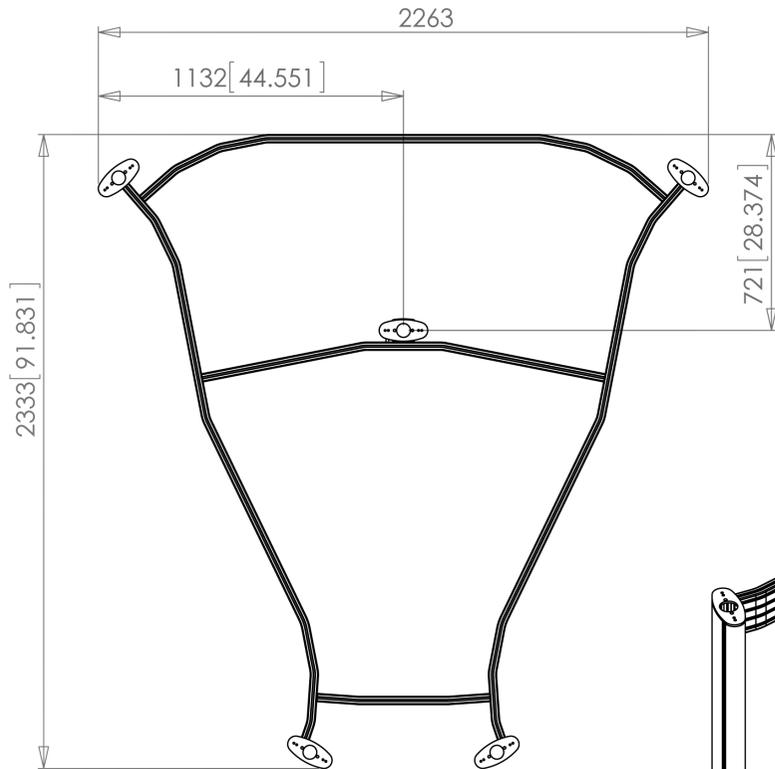
Custom desk frames

Mode-AL can design and manufacture custom legs to suit your exact requirements. For improved lead times and once the design has been tested for form fit and function, Mode-AL offer a stock holding system where we can hold in stock the components to manufacture your specific desk frames this reduces the lead time to 2 weeks.

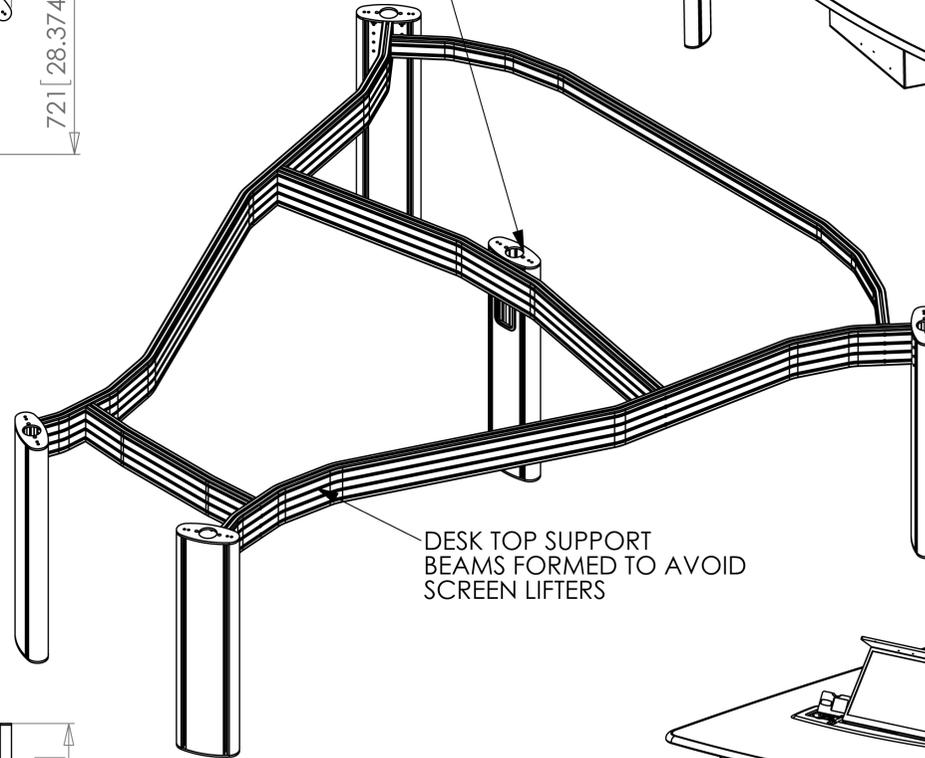
Every part of our desk frames are customisable. Even if you require a custom extrusion to replace our oval extrusion, we would be happy to design and manufacture these legs for you on an exclusive basis, assuming there is sufficient quantity.

Mode-AL are always happy to help with the design of you desk frame if you have no cad facility or if you wish us to copy an existing leg we are always happy to oblige.

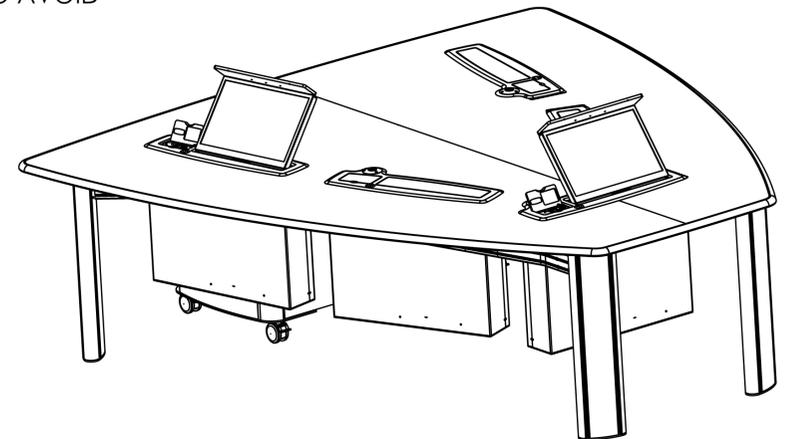
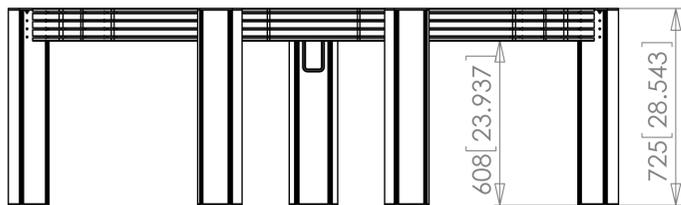
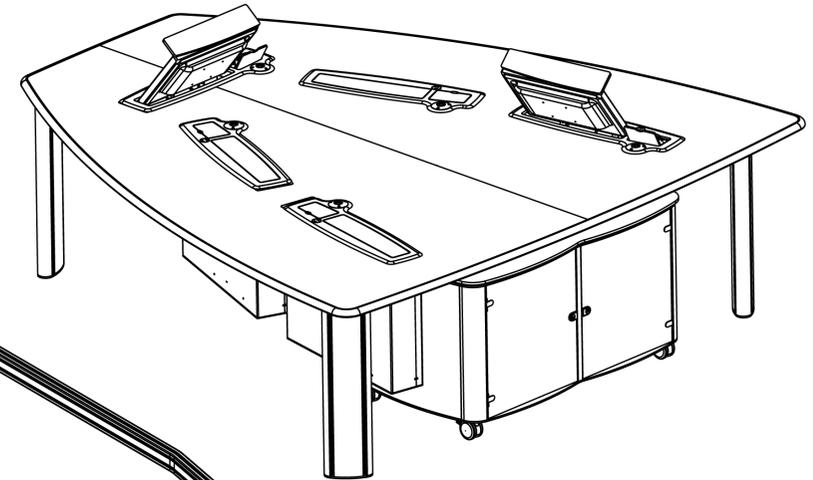




CENTRAL COLUMN WITH CABLE ACCESS FOR 19" RACK



DESK TOP SUPPORT BEAMS FORMED TO AVOID SCREEN LIFTERS



Mode-AL
Integrated Furniture Solutions

UNIT 32, RIVERSIDE WAY
LUXBRIDGE, MIDDLESEX UB8 2YF
TEL +44 (0)20 3398 3398
WWW.MODE-AL.COM

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETRES
TOLERANCES:
LINEAR: X ±1.0mm
X.X ±0.25 mm
X.XX ±0.10 mm
ANGULAR: X.XX ±0.1°

DEBUR AND BREAK SHARP EDGES

DRN: **DFL**
DATE: **02/05/2014**
QUOTE NUMBER:
Q-011679

MATERIAL:
ALUMINIUM / STEEL
FINISH:
NATURAL (SILVER)

TITLE: **7 SEAT VC TABLE
FRAME WORK**
DWG NO. **MD-F21-478-09**

SCALE
1:20
REV
A
SHEET 1 OF 1

Motorised Desk frames

Each Mode-AL desk frame is individually tailored to your requirements as there is no set design.

Mode-AL offer 2 lift capacities per leg: standard duty 80kg [176 lbs] and heavy duty 160 kg [352 lbs]. This includes the **weight of your desk top** and all the equipment on it.

Cable management - with the use of cable trays under the desk top and energy chains from the floor to the lifting surface, Mode-AL provide total cable management with all of the lifter desks.

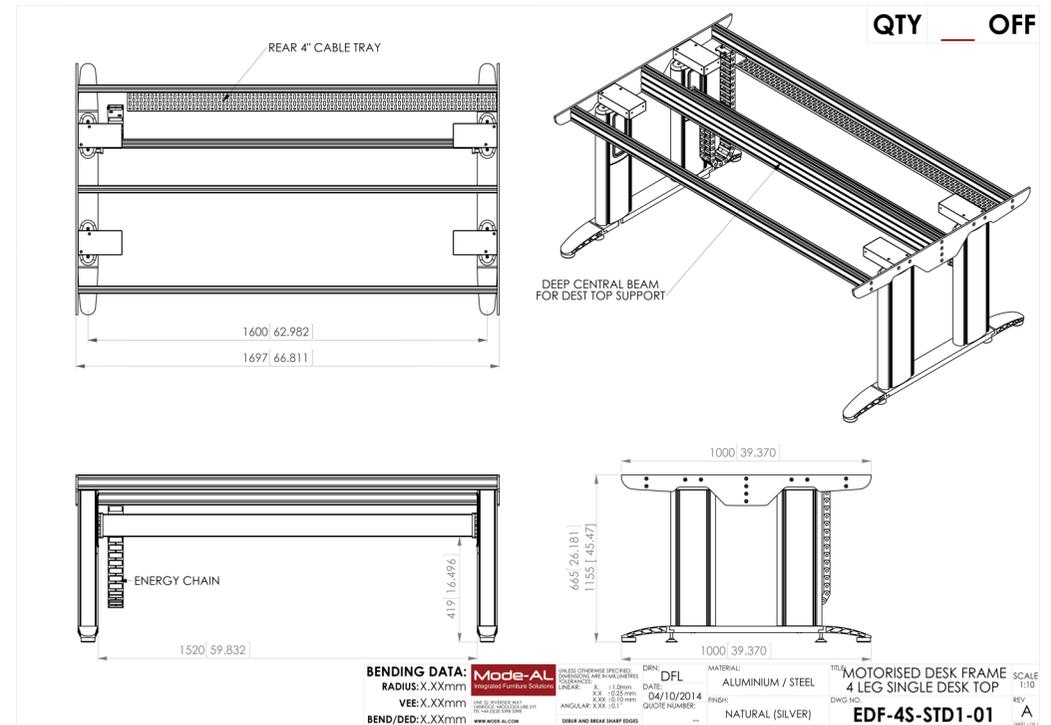
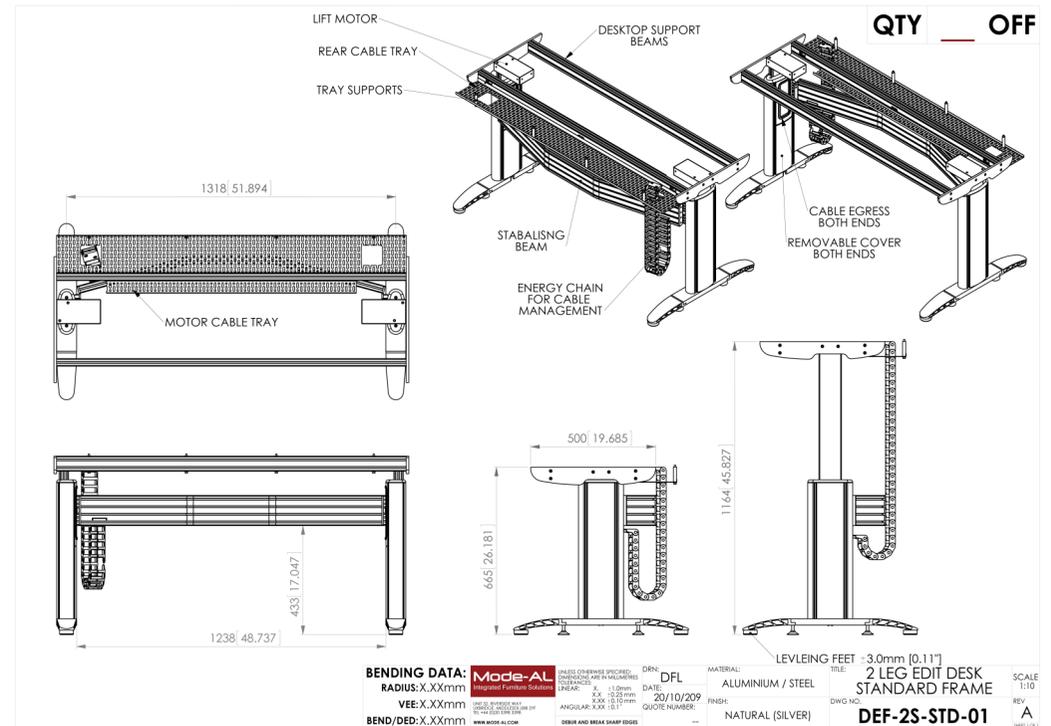
Maximum lift for standard desk motors is 500mm [19.68"]. This is sufficient to comply with all current sit, stand and disabled legislation. If there is a requirement for a larger stroke for a special project, we can manufacture strokes of up to 3.0 m [118.0"] and up to 3 stages to keep the collapsed profile as low as possible.

Every part of our motorised desks are customisable. Even if you require a custom extrusion to replace our oval extrusion we would be happy to design and manufacture these for you on an exclusive basis, assuming there is sufficient quantity.

Mode-AL are always happy to help with the design of your motorised desk frames if you have no cad facility, or you wish us to copy an existing leg we are always happy to oblige.

DEF-2S-STD-01 Motorised desks - a simple 2 leg unit like the one shown. Most common for editing and general office work. A simple but robust design that can lift 160 kg [353lbs] in standard format and 320kg [706lbs] in heavy duty format.

EDF-4S-STD-01 Motorised desks - a simple 4 leg unit like the one shown. This is ideal if the work surface is over 800mm [31"] deep and a simple but robust design that can lift 320kg [706lbs] in standard format and 6400kg [1412lbs] in heavy duty format.

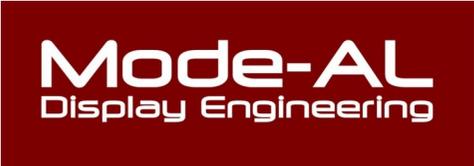
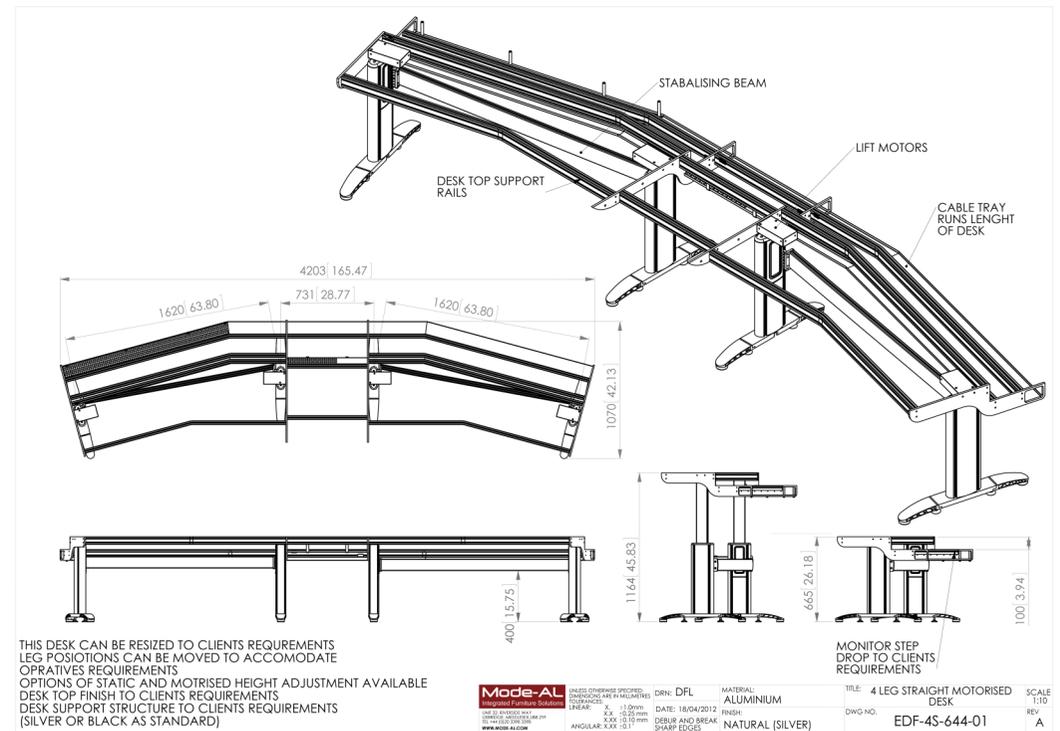
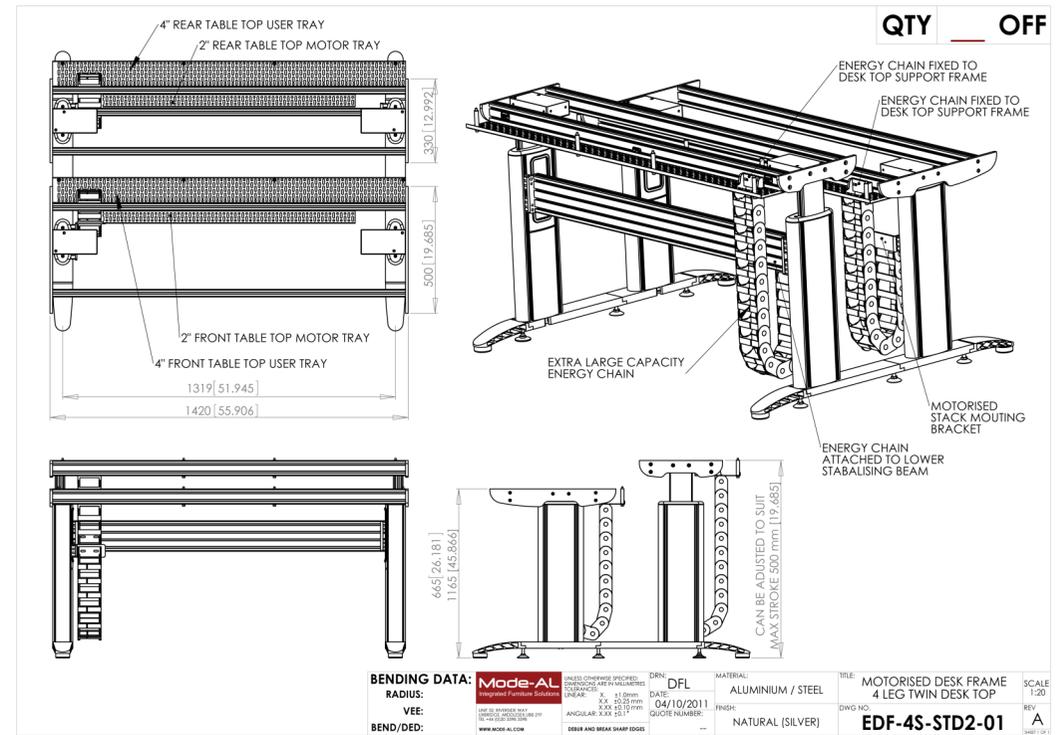


Motorised Desk frames cont.

EDF-4S-STD2-01 Motorised desks - a simple 4 leg unit with the front and rear legs split; allowing them to move independently of each other like the one shown. Most common for editing and general office work. A simple but robust design that can lift up each section 160 kg [353lbs] in standard format and 320kg [706lbs] in heavy duty format.

EDF-4S-664-01 - a complete custom desk frame with the 4 legs in a row. Ideal of PCR, MCR and other control rooms. The frame has a dropped rear section for mounting monitors and cable tray running the whole length of the desk.

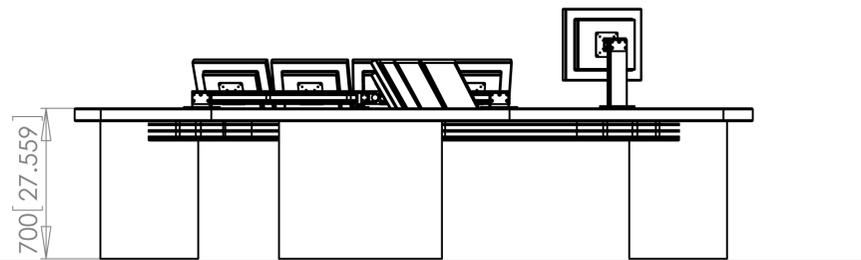
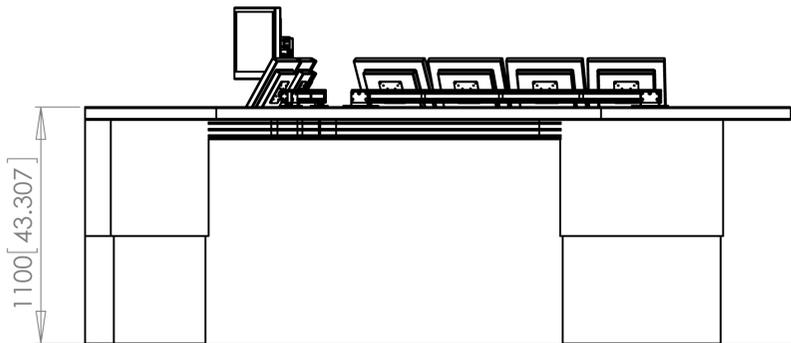
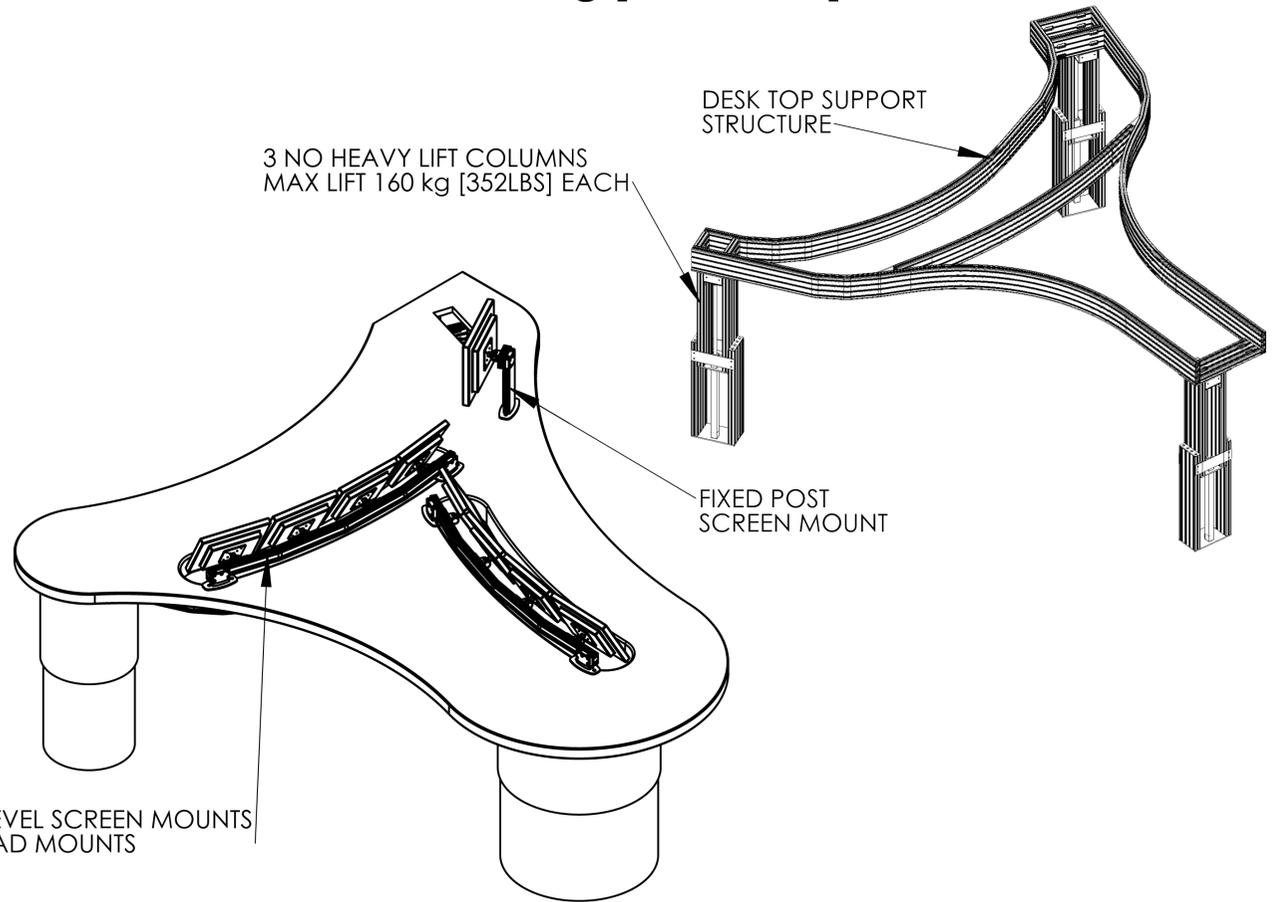
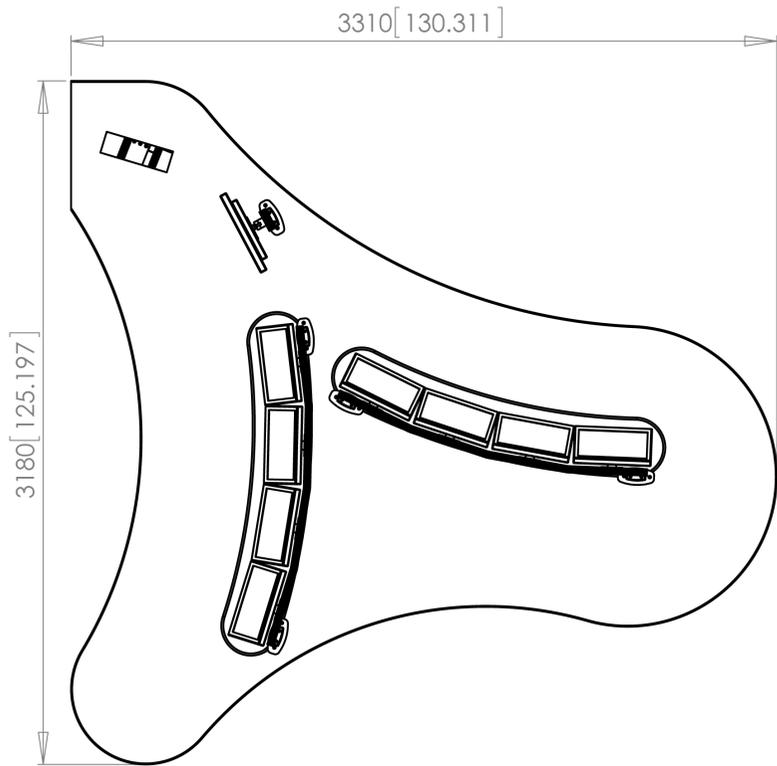
MMD-AP-918-00 (next page) - a Radio station studio desk. This is an example of a complete custom designed desk frame to lift a large studio desk in a radio station. There were considerable challenges with this desk layout as the structure had to curve round all of the sunken monitor mountings and all cable management was hidden within one of the legs to give a clean design.



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QTY **OFF**

**NOTE: DESK TOP AND ALL EQUIPMENT
MUST NOT EXCEED 480 kg [1056 lbs]**



Mode-AL
Integrated Furniture Solutions

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UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETRES
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LINEAR: X ±1.0mm
X.X ±0.25 mm
X.XX ±0.10 mm
ANGULAR: X.XX ±0.1°

DEBUR AND BREAK SHARP EDGES

DRN: BC
DATE: 18/06/2010
QUOTE NUMBER: Q-012445

MATERIAL: ALUMINIUM
FINISH: NATURAL (SILVER)

TITLE: RADIO 2 STUDIO DESK
DWG NO. **MMD-AP-918-00**

SCALE 1:25
REV A
SHEET 1 OF 1